AUSTRALIAN MATHEMATICS COMPETITION
WARM-UP PAPER
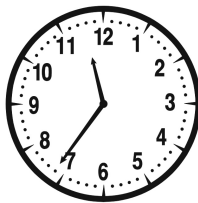**MIDDLE PRIMARY 7**

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1. If $\square - 5 = 3$ then $\square$ equals

(A) 10   (B) 9   (C) 8   (D) 7   (E) 6
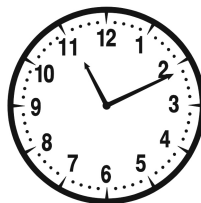
2. It takes 3 oranges to make a glass of orange juice. How many oranges are needed to make 8 glasses of juice?

(A) 18   (B) 21   (C) 24   (D) 27   (E) 36

3. Rhys and Helen play chess for 15 minutes and they finish playing at 11:21. Which clock shows the time they started playing?
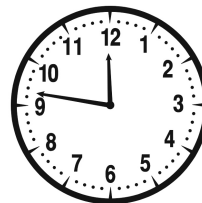
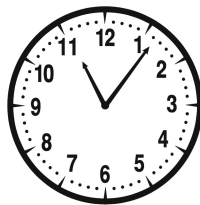(A)   (B)   (C)

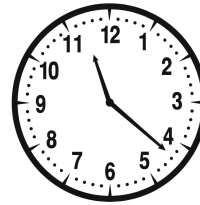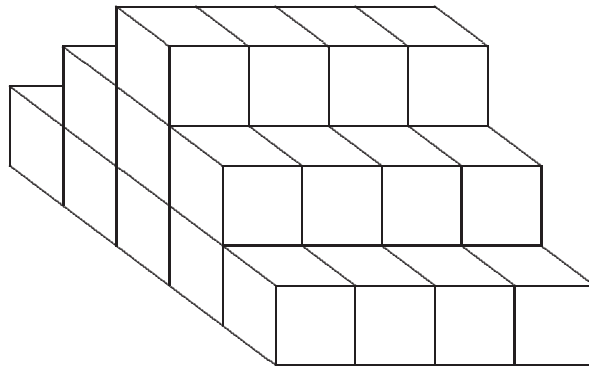(D)   (E)

4. A bus carries 32 students. How many buses are needed to take 323 students to the school swimming carnival?

(A) 9   (B) 10   (C) 11   (D) 12   (E) 32

5. Brett is 12 years old. Daina is half of Brett's age. Omar is 13 years older than Daina. How old is Omar?

(A) 39　　　　　(B) 11　　　　　(C) 25　　　　　(D) 19　　　　　(E) 16

6. I roll two dice with the numbers 1 to 6 on each one and obtain a total of 9. Which of the following numbers could not have been rolled?

(A) 2　　　　　(B) 3　　　　　(C) 4　　　　　(D) 5　　　　　(E) 6

7. In my pocket I have three coins, a 50 c coin, a $1 coin and a $2 coin. How many different amounts of money can I make up using one or more coins?

(A) 4　　　　　　　　　(B) 5　　　　　　　　　(C) 6

(D) 7　　　　　　　　　(E) 9

8. Twelve 1 cm by 1 cm tiles, like this □ , are arranged to form a rectangle. Which of the following could be the perimeter of that rectangle?

(A) 18 cm　　　(B) 20 cm　　　(C) 22 cm　　　(D) 26 cm　　　(E) 32 cm

9. Some steps are built using 36 wooden blocks as shown in the diagram.

All the faces on the outside except the bottom ones are painted blue. How many blocks do not get any of their faces painted?

10. Lisa collected 50 seashells over a period of five days. Each day she collected three more than she had collected the day before. How many shells did she collect on the fifth day?